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## CLASSICIASSIFICATION FESTRICITED CENTROENTRALLINTELLIGENCE AGENCY

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THIS ISHIBIBALINEVALUATED INFORMATION

SOURCSOURCE "Electification Plans and the Deficiency of Electric Powerifor Undustry in their the Soviet Union, Mineographed Series No. 9, East-European Fund, Inc., 1952. 1952.

## -DATA PROMEMIGRE TREPORTS A FRIONIPREMAR WESH ELECTRIC POWER SUPPLY

This This report consists of excerpts from articles by three emigres from from the USSR. My ting as enthors "N," 40, "end MP, " who homerly sorke worked in the field of electric power. The articles were hompiled and isand disqued by the East European Fund, Tries under the English title "Blect!Electrification Plans and the Deficiency of Blectric Power for Industing in the Soviet Onion. " No dates were mentioned in the arciclesticles shut apparently the data is sall prewar. 7

About About 85 percents of the construction work on electric power stations has been chaen done on a piecework basis . According to a report by: Glavenergo (Main BlectiElectric Power Administration), local fuels were used in the production of about about 167.8 mercent lof will electric power . The Suyevskaya GRES with thest thermal elman electric power station in the USSR, used 0.514 kilogram of stardard fruel to product cluck one kilowatt-hour 19407

The Tithe (TETs: (steam heat & id telectric pover stations) built in cities busually had a made Capacity of 6,000, 12,000, 24,000, or 48.000 kilowatts Modelm Modeow & Leningrad, grad, Kiev, and other large cities, they usually hap a capacity of 24,000 or 48,000 kilovetts.

Const Construction of small electric power stations with capacities of 5,000 kilow kilowatta and under are not included in Five Year Plana; They are boundly inof ideacluded digithe budget estimates of the vitins or the enterprises which care to be serbe served by them

High-High-voltage transmission linescare usually of 110,500, 154,000, and 220,00220,000 volts fithe law-voltage ones 200 12,000 6,000 And 3,000 volta. The Thus of thic tuations allowed in the woltage delivered to different branches of tindustry, expresexpressed in percentages, care as Follows

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## PASTR RESTRICTED

Special sindustries

From Prom +00.5 (to + 0.5

ChemicChemical tindustries

From From \$50 ±5

Metal Metallurgy

From Promit 5 to ±7

Coal Goal tindustry

From From = 5 Ito. = 10

MuniciMunicipal needs

From From to 10 1to. ± 12

As farAs far.easthedfrequency da reprocerned and fluctuation was infiticially allowed; lowed layout light isometimes, etropped from 50 sycles to the yeleast lock loads.

Price Prices charged for electric power produced by MES determ-electric power staticatations of GES chydres at the power estaticatations of GES chydres at the power estaticatations and care mot based on actual actual cost of they are estaticately clovered from special and mylitary tindustries, increased for light findustries, and further approach for pricatenosumers. Author 10% states here that detailed price schedules can be supplied by the requesteguest. The prices are roughly as collows:

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Direction of	HMICO.	k(kopek	ginar	357.1
		1, 1, 1, 0, 0, 0, 1,	A	V.M

Capa: Gostion Hastalled Capa: Gapacity (rubles per yr)

For helion hemograndustries : 4-11

110-13110-130

For light-tindustries 10-15

175-19175-190

Priva-Private sconsumers 1 30 23-36

138-00162-210

During uning the plast prever years, not a single governeystem directle USSR could produce to a sufficient quantity of power to meet the deemed, withe power was rationed toned during peak flood hours, and working hours, in industrial patterprises were changed and distribute the cload evenly during and about day the in the Andrework during and about day the in the Andreprovakaya, shaya, dening adakaya, domining kaya, analya, and a shaya, and be an a shaya, and be a shaya, and be a shaya, and a shaya, and a shaya, and a shaya and

Until Until approximately, 1935; turbines, generators, transformers mand other equipment formelectric power stations were imported, buthat the contbreak of the war times, the majority of the equipment installed was manufactured instal USARal Usually, sample samples of the needed type of equipment were imported from different countries, were many installed and teated by specialists had then the best one was relected. After idential alterations sand changes, the sample secate of didnessing easiers and was admaradopted for production of the process was very effective a day a rule, the most importunder equipment is installed in the USAR, and makes up 80-85 apercent of all call equipment installed

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